



## APPLICATIONS UNDER EXAMINATION

## OSTEOSPERMUM

### OSTEOSPERMUM (*Osteospermum ecklonis*)

<b>Proposed denomination:</b>	<b>'INOSTBLPUR'</b>
<b>Trade name:</b>	Bright Lights Purple
<b>Application number:</b>	19-9766
<b>Application date:</b>	2019/04/15
<b>Applicant:</b>	InnovaPlant Zierpflanzen GmbH & Co. KG, Gensingen, Germany
<b>Agent in Canada:</b>	BioFlora Inc., St. Thomas, Ontario
<b>Breeder:</b>	Silvia Hofmann, InnovaPlant Zierpflanzen GmbH & Co. KG, Gensingen, Germany

**Varieties used for comparison:** 'Tradewinds Deep Purple' and 'Balserdarp' (Serenity Dark Purple)

**Summary:** *The plants of 'INOSTBLPUR' are taller than those of both reference varieties. The leaf of 'INOSTBLPUR' is longer than that of 'Tradewinds Deep Purple' and wider than that of both reference varieties. The leaf margin of 'INOSTBLPUR' has medium to deep indentations while that of 'Tradewinds Deep Purple' has shallow indentations and that of 'Balserdarp' has absent or very shallow to shallow indentations. The upper side of the leaf of 'INOSTBLPUR' is medium green while that of 'Tradewinds Deep Purple' is dark green. Per flower head, 'INOSTBLPUR' has fewer ray florets than 'Tradewinds Deep Purple' and more ray florets than 'Balserdarp'. The ray floret of 'INOSTBLPUR' is longer than that of both reference varieties. When fully opened, the inner side of the ray floret of 'INOSTBLPUR' is dark purple with dark brown stripes at the apical and middle zones and a lighter colour at the base while that of 'Tradewinds Deep Purple' is medium violet with dark purple stripes throughout and that of 'Balserdarp' is medium to dark purple to medium violet with dark purple stripes throughout.*

#### **Description:**

PLANT: semi-erect attitude of shoots

LEAF: medium to deep margin indentations, no variegation, medium green on upper side

FLOWER HEAD: no paracorolla

RAY FLORET: obtuse apex, no inward rolling of longitudinal margins

RAY FLORET (INNER SIDE): light violet (RHS 75C) with medium violet (RHS N81A) stripes and medium violet (RHS N78A) and dark violet (RHS 79A) at basal zone when newly opened, dark purple (RHS 71A, N79C) with dark brown (RHS N77A) stripes at apical and middle zone and medium violet (RHS N78A) and dark violet (RHS 79A) at base when fully opened, lighter towards base

RAY FLORET (OUTER SIDE): light red pink (RHS 39C) with light violet (RHS 75B) along margin of middle zone

DISC: purplish black before dehiscence

**Origin and Breeding:** 'INOSTBLPUR' originated from a controlled cross conducted by Silvia Hofmann, an employee of InnovaPlant Zierpflanzen GmbH & Co. KG in Gensingen, Germany in July 2014. The cross was made between proprietary seedlings designated 'O 13 201-1', as the female parent, and 'O 13 24-1', as the male parent. From the resulting progeny, the new variety was selected in April 2015 as a single plant based on its flower colour, flower quality and heat tolerance. 'INOSTBLPUR' was first propagated by vegetative cuttings in June 2015 in Gensingen, Germany.

**Tests and Trials:** The comparative trial for 'INOSTBLPUR' was conducted in a polyhouse at BioFlora in St. Thomas, Ontario during the spring of 2021. The trial included 20 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 15 cm pots on April 16, 2021. Observations and measurements were taken from 10 plants, or parts of plants, of each variety on June 4, 2021. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'INOSTBLPUR'

	'INOSTBLPUR'	'Tradewinds Deep Purple'	'Balserdarp'
<i>Plant height (cm)</i>			
mean	23.0	18.0	19.7
std. deviation	1.11	1.33	1.20
<i>Leaf length (cm)</i>			
mean	8.1	6.7	8.4
std. deviation	0.47	0.47	0.65
<i>Leaf width (cm)</i>			
mean	4.7	2.6	3.2
std. deviation	0.33	0.33	0.46
<i>Number of ray florets per flower head</i>			
mean	22.7	27.4	18.3
std. deviation	1.16	0.84	0.95
<i>Ray floret length (cm)</i>			
main	3.6	2.8	3.0
std. deviation	0.22	0.14	0.20
<i>Colour of inner side of ray floret (RHS)</i>			
fully opened	71A, N79C with N77A stripes	N78A-B with N79C stripes	71B, 72A-B with 71A stripes

\*reference varieties



Osteospermum: 'INOSTBLPUR' (left) with reference varieties 'Tradewinds Deep Purple' (centre) and 'Balserdarp' (right)



Osteospermum: 'INOSTBLPUR' (left) with reference varieties 'Tradewinds Deep Purple' (centre) and 'Balserdarp' (right)



Osteospermum: 'INOSTBLPUR' (left) with reference varieties 'Tradewinds Deep Purple' (centre) and 'Balserdarp' (right)